A METHOD AND APPARATUS FOR REGULATING THE OPERATING TEMPERATURE OF ELECTRONIC DEVICES

ABSTRACT OF THE DISCLOSURE

In one embodiment, the present invention recites a temperature control subsystem for use with an air conditioning system. The temperature control subsystem comprises a temperature sensor located in proximity to a heat-generating device disposed within a housing, where the temperature sensor generates data corresponding to the temperature of the heat-generating device. The temperature control subsystem further comprises an air-flow control feature coupled to the housing, whereby the air-flow control feature is configured to regulate the delivery of cooling air to the housing. Cooling air is provided by the air conditioning system. A local control subsystem is coupled to the air-flow control feature to control the air flow of cooling air to the housing so that the air flow is adjustable to correspond to the temperature data received from the temperature sensor.